THE ACCESS PANEL COMPANY LTD

RECOMMENDED ADVICE

FIRE STOPPING

Correct fire-stopping is critical to maintain the integrity of the installation. The following recommendations are for site guidance to correctly seal the gap between wall and Riser Door assembly.

The Riser Door assembly is delivered complete with door hung into its frame pre-fitted with all ironmongery. Both single and double doors arrive with frames factory fitted, delivered either in one piece, or two parts. Intumescent seals and draught seals are factory fitted.

The Access Panel Company measure the Riser Door to the outside of the frame. Do not measure the flange that is fixed to the face of the wall. We recommend building the aperture 10mm larger than the product ordered. For example an 1800 x 600mm product would need an aperture 1810 x 610mm. The extra 5mm to each side allows for tolerance, square and plumb of the aperture and for the product to be fitted.

In a steel stud partition the Riser Door fits against the steel stud. Apertures in Timber Stud Partitions must be lined with one layer of fire-line board for 60 minutes, two layers for 120 minutes. No intumescent mastic is required to the wall face as the integral flange wraps around the aperture opening.

REFERENCE

Shims or Packers - any steel or plastic shim may be used. (The Access Panel Company can provide steel shims).

Calcium Silicate board - for example Supalux or equivalent.

Fire-line board - any manufacturers version of a fire rated plasterboard is acceptable.

Rockwool - minimum 45kg/m2 Rockwool. Isover may be used.

Intumescent caulking - any proprietary mastic complying with BS EN 467-20 or BS EN 1366-4 for use as a gap filling intumescent mastic.

Fixing Screws any steel screw minimum length of 60mm for a 5mm gap. Use progressively longer screws for larger gaps to ensure a solid fix into the wall.

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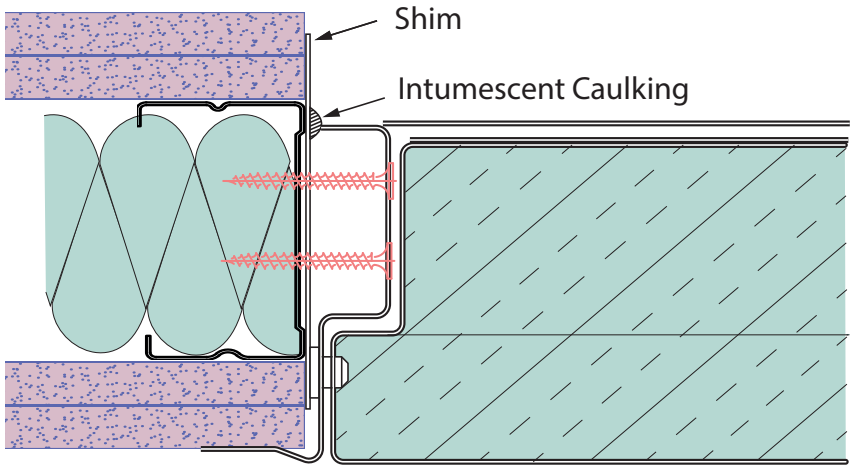
FIRE STOPPING

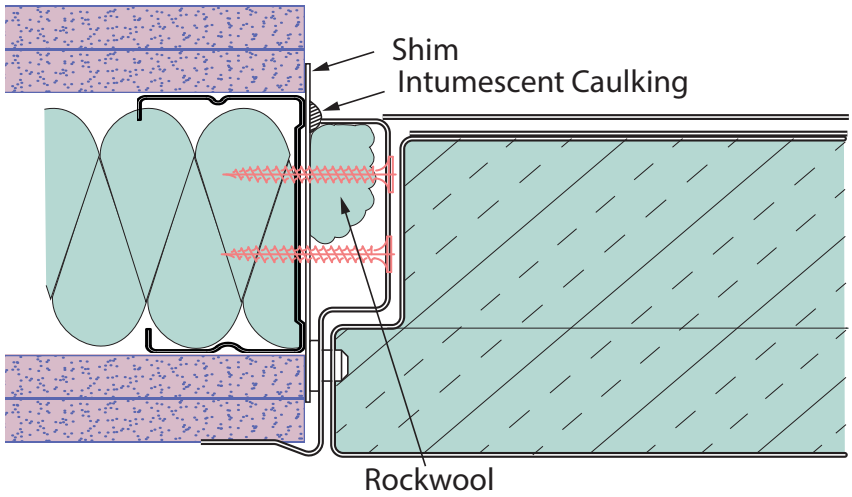
GAPS UNDER 5MM



We expect to cap or fill a gap of at least 5mm. Shim & screw fix the frame to achieve a plumb fit and run a bead of mastic into the gap between wall and frame.

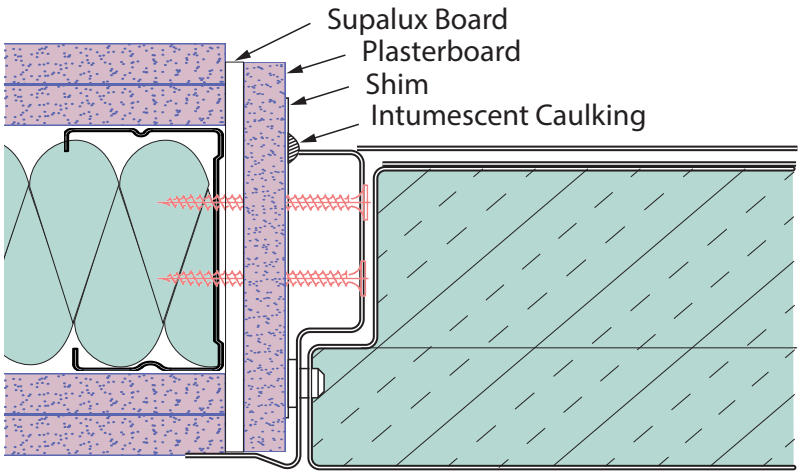
One screw in each pair of fixing holes may be used.

GAPS BETWEEN 5 & 10MM



Shim & fix as above, pack Rockwool into the gap and cap with a bead of intumescent mastic OR if possible line the aperture with 6mm Supalux and fire-stop the reduced gap as the 5mm instruction.

GAPS BETWEEN 10 & 20MM



Use Supalux or fire-line board to the edges of the aperture to reduce the gap.

Then follow the previous instructions with longer fixing screws depending on the gap increase. The fixing screws must be screwed into the wall stud and not just into the surrounding packing pieces.

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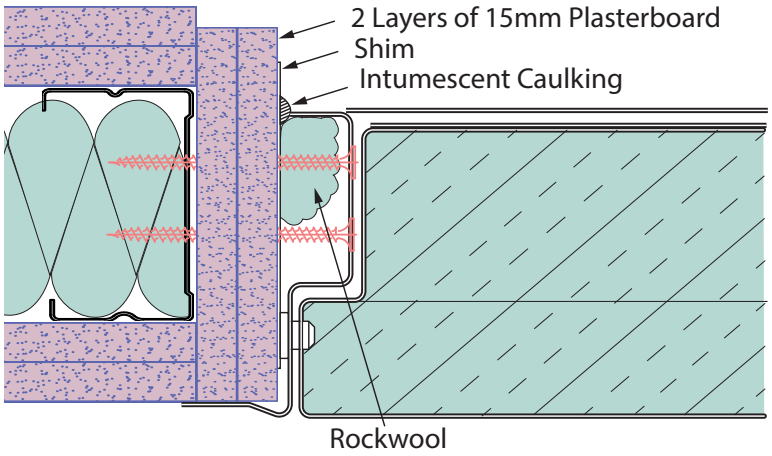
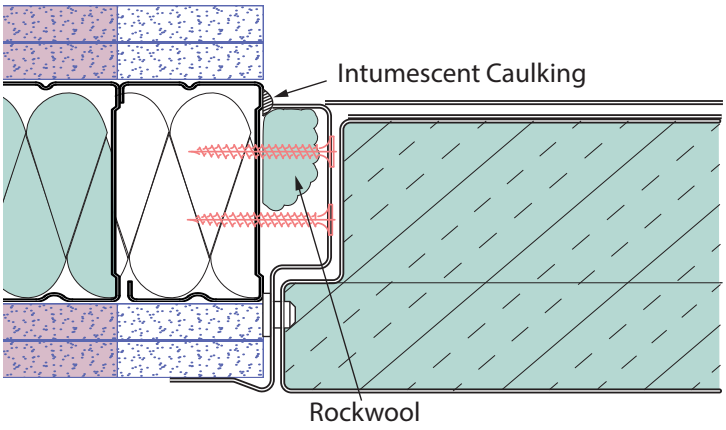
GAPS BETWEEN 20 & 30MM



As previous with two layers of 15mm fire-line plasterboard.

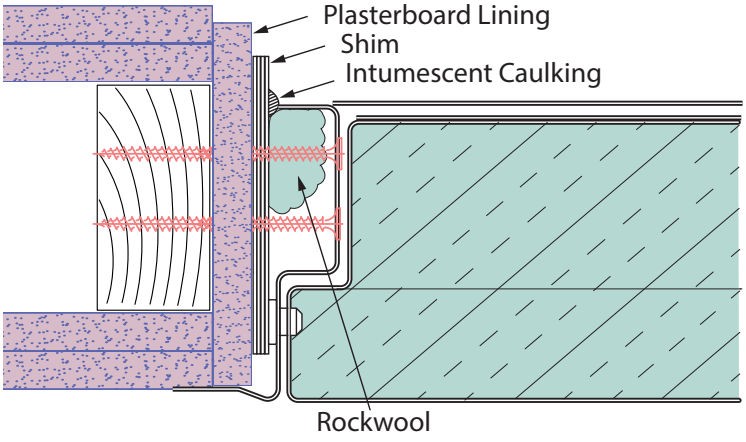
GAPS OVER 30MM



Fire-stopping Gaps over 30mm each side. At this size of gap, consideration should be given to installing further stud work to form an aperture that better fits the Riser Door ordered.

When reducing an aperture, the construction should maintain the fire intergrity of the wall.

EXAMPLE OF TIMBER STUD LINING



Timber stud partition must be lined with:

1 x layer of plasterboard for 60 mins

2 x layers of plasterboard for 120 mins

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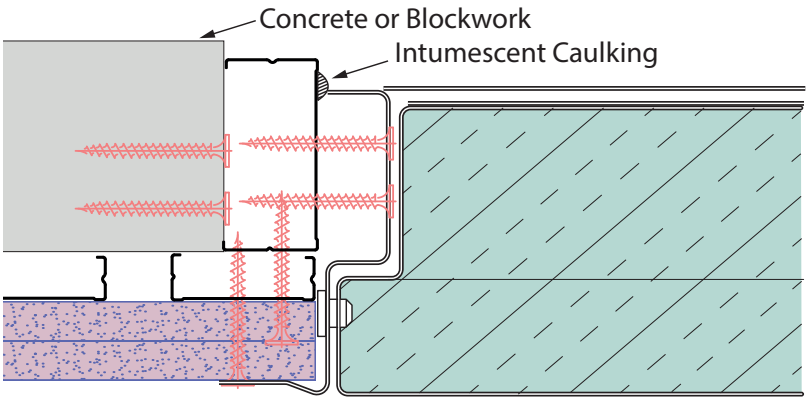
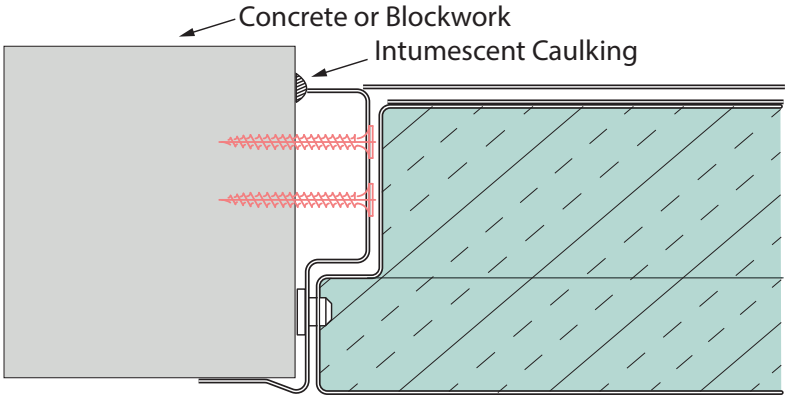
EXAMPLE OF REINFORCED CONCRETE INSTALLATION WITH DRY LINED FACE



This diagram is indicative only and not intended to suggest a method of wall construction. Use best practice and/or follow the wall systems manufacturer's instructions.

EXAMPLE OF FAIR FACED BLOCKWORK OR REINFORCED CONCRETE INSTALLATION



Shim and fire stop to suit gaps as previous examples.

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